From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "Brian K. Short" <ke7gh@primenet.com>
Subject: [20031] ** FOR SALE **
Message-ID: <3.0.1.32.19970521211714.006de8c8@mailhost.primenet.com>

** FOR SALE **

Mirage B3016 30/160w 2m Amp $200 in Mirage box w/manual

FT-1000mp *MINT*, has processor upgrade factory installed.
Also has optional Rx 500hz and 250 Hz filters. Manual, box,
as new! There are *none* better. $2500

Selling Outbacker Perth with manual, shipping tube, etc
complete and ready to go...offers?

For sale MFJ 949 300 watt versa tuner, multi position coax switch,
built in dummy load, *mint* cond. w/ manual, box.....$85
Used only once at a portable location...

JPS ANC-4 Noise Canceller, in box w/manual, little used $125 obo

RF Concepts 3-312 30/120w 220 Mhz brick amplifier w/preamp $200

RF Concepts 4-310 430-450 30/100w brick with preamp taken out
 of box, tried once, put back in box. $275

Brian ke7gh@primenet.com >or< http://www.primenet.com/~ke7gh

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
Subject: [19993] Artifax Books Ph. no.?
Message-ID: <3.0.16.19970521130348.224730f6@som-uky.campus.mci.net>

Does anyone have a phone number for Artifax Books? I have the
mailing address. Looking to purchase several telegraphy related
books from them, and hoping that a number would be available to
expidite the order a bit.
Also looking for back issues of QRPp, SPRAT, QQ, telegraphy,
what have you.
Thanks...Rich

Rich Dailey - KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH Web - <www.qsl.net/ka8okh>

qrp-l #933 ars #223 amsat #11900...   ZUT!

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: k5id@inetp.net (Kenton E Graham)
Subject: [19991] Bargains at Dayton?
Message-ID: <199705211149.GAA07017@inetp.inetp.net>

Hi fellow QRPers,

After 42 years of hamming, this was my first Dayton trip!
Talk about an OD on hamming!!

My hitched ride did not allow me to be there for Thursday, but was able to make the banquet on Friday nite. It was great to meet many of the guys on this list and put faces with names. A great bunch of guys!

A good bit of my time was spent in the flea market all three days. Yes, there were some high prices (as at any fest), but the bargains were there if you kept at it (and were fast). I think my best find was a Ten Tec Omni C digital with power supply I bought at $275. (The guy said it didn't work but I took my chances. When I got it home, I found it had a DEFECTIVE LINE CORD. I fired up the rig - tried qro 90 watts [sorry guys] - all reports fine business.) Since the qro checkout, it has been turned back down to five watts, and will stay at that level most of the time... This will make a fine addition to my ten tec collection. My point is that the bargains are there if you will spend the time. I got this rig on Saturday, so I'm sure thousands of potential buyers passed it up!

I now believe that any ham that has not made Dayton is missing a portion of his education, and the thrill of being in the midst of tens of thousands of hams just has to be experienced.

Regards, Ken, K5ID

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Richard Mulvey <mulveyr@frontiernet.net>
Subject: [20021] Chassis punches
Message-ID: <199705211907.PAA56724@node6.frontiernet.net>

Hello all:

I seem to recall this being discussed a while back, but couldn't locate the relevant messages:

Does anyone know of a source for *cheap* chassis punches? I'm specifically looking for DB-9 and DB-25 connector punches. They can be relatively inexpensive, since I'm not planning on using them too many times. :-)

Thanks,
- Rich

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: MSU1972@aol.com
Subject: [19982] Computer Literate????
Message-ID: <970520224020_371256903@emout12.mail.aol.com>

I thought I was computer literate...but after years of 3.1 and new to windows 95 I can't figure out how to unzip a file. When I use windows explorer to find unzip it tells me unzip.exe is in the subdirectory c:\windows\de... When I view the windows subdirectory there is no subdirectory starting with de
PLEASE HELP with this simple question... Now that I've downloaded suggested demo logging programs from all my qrp-l friends...how do I unzip it and get it working. The downloaded file is called logeqf838(1)
P.s. never saw the (1) in a file name either.
Thanks ahead of time
David, KB8OCC

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Bill Jones <kd7s@psnw.com>
Subject: [20014] Dayton '98 "Unlimited Class" Building Contest
Message-ID: <3383405E.47A1@psnw.com>

==========
Doug Hendricks wrote:

> The Unlimited Class is for anything that you build
>after May 16, 1997. The entries will be
> judged at Dayton 1998, and the winning entry
>will receive the K5FO Trophy,

So, Chuck, you got sucked into another deal. At your
convenience could you post the rules, guidelines, etc.
for judging criteria.

--
==========
Bill Jones - KD7S
Sanger, California
Reply to kd7s@psnw.com
==========

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>
Subject: [20010] Dayton - Page 3
Message-ID: <3.0.1.32.19970521104542.00685b0c@telis.org>

It is Saturday, and Dave Fifield and I pop out of bed early to grab a bite of breakfast before we head out to the Flea Market. We have talked late into the night, and Dave has convinced me that I need the WaveTek 3004 Signal Generator. I had found a couple and started through the flea market trying to find them. If you do shop at Dayton, I would suggest that you mark the booth number if you want to return. After a couple of days, it all starts to run together. But, we do find the booth and the WaveTek is not good. It is a model 3001, but the front panel is broken and one of the knobs is missing. We talk to the guy and he says that he had 3 of them but somebody robbed parts and this is the last one, etc. The price? $350. I look at Dave and shake my head, no way on this one.

We search the flea market for about 2 hours and finally we find it. A nice WaveTek 3004. Price $450!! I offer $250. (My limit is $300 for this unit. I want to show the guy that I am serious but that I think he is way too high.) He doesn't comeback with a counter, nada, nothing. So I walk. I did not find a signal generator at Dayton. Oh well, now I have something to look for at Livermore.

We go inside, and walk into the booth area near the G-Booth. I meet Steve, AB7TX and his girlfriend Vicki, who is one of the neatest people I have ever met. She has the brightest smile. Steve is Arizona ScQRPion #1. (Won it in a drawing when they formed the club.) It was great to see both of them. Steve asks if I have stopped by the ARRL booth and asked about QRP DXCC. Yes, I did, on Friday.

Ron Stark and I talked to Dave Summner. It was funny, as soon as we mentioned QRP DXCC, he grinned, and said that yes he had had several stop by and ask about it. I think that he knows that I posted it to the list, which is ok. We talked and he said the problem is that it is an award that

would be granted that would be based on the applicants word that he was running the proper amount of power. Both Ron and I said that it is the same thing at the top end of the scale. The DXCC committee has no way of verifying that the Henry 10K in the guys shack was set to a legal limit on a qso. Mr. Summner reluctantly admitted that we were right. But he then wanted to give me the following scenerio:

"Doug, I operate QRP and also QRO, and many people know that. If DXCC had a QRP endorsement, and I went through my log and found that I had the cards to submit based on my qrp contacts, this might happen. Someone who knows that I operate QRO will say that I don't deserve the QRP endorsement, because they know that I operate QRO also. The endorsement could be challenged."

I replied that his arguement was not valid. What about all the guys on DXCC who have used illegal power to get it? You and I both know that it has happened. There is no way to be absolutely sure that cheating doesn't happen.

I finally said to Mr. Summner that if he or the ARRL didn't want to do a QRP endorsement, why didn't they just say so, and quit giving us bogus excuses. My impression is that someone with more "pull" than QRPers doesn't want a QRP endorsement. Maybe it is because QRP companies don't buy full page ads, and the linear companies do?

By the way, I am not a member of ARRL as I feel that they do not want to do their job of representing the interests of all hams. They seem to put QRP on a back burner as a step child so to speak. It is not a question of how much money they charge, as I have joined RSGB, because they actively support QRP, and they cost $20 per year more than ARRL.

The rest of the day was spent trying to work through the flea market and the inside booths. Lunch was interesting. I was in line for a Braugt (sp?), and was talking to the guy behind me. He was from New Mexico and we commented on the great weather. Turns out the guys is a QRPer and knows Paul Harden. It was Richard Kellner, W5RXP from Los Alamos. I invited him to join Dave and I as we sat on the grass in the shade to eat. As we walked to the grass, a nice gentleman offered to make room for us so that we could get more shade. Guess what? He was a Qrper too, but not a NorCal member. He had heard of the 38 Special and the club, but had never gotten around to subscribing to QRPp. What a neat experience, to meet two QRPers that I did not know and make new acquaintances.

We went back to the hotel and took the secret route. (No Preston I am NOT telling!!) Boy did it save a bunch of time. The plan was to go to the room and lay down for a rest and order in Pizza. On the way through the lobby I run into Chuck Adams, Hugh Matheson, and Randy Rand, and they invite us to dinner at the Olive Garden. Can't turn that down, so I go get

Dave and we go out to dinner.

One of the highlights of Dayton is the ability to have a nice dinner with friends. The conversation at the Olive Garden was great. Everyone contributed, and I learned a lot. We suddenly looked at our watches and realized that we had about 10 minutes before the judging of the building contest was to start.

The NorCal Dayton Building Contest featured 3 divisions this year, the 38 Special, the Rainbow Tuner, and the Combo tuner/rig. There were 16 entries, and the judging was very difficult. The judges were; Chuck Adams, Dick Pascoe, and Gary Diana. Prizes were: 38 Special kits from NorCal for the Rainbow Tuner winners, Rainbow Tuners from the NJ QRP Club for the 38 Special winners, and TiCK-2 Keyer Kits from Embedded Research for the combo winners.

Here are the winners of the NorCal Dayton Building Contest

38 Special Division
1st - K4PQC, Phil Specht
2nd - K7TP, Grover Cleveland
3rd - KD7S, Bill Jones

Rainbow Tuner Division
1st - G3MFJ, Graham Firth
2nd - WD6BOR, Darrel Jones
3rd - No Entry (Guys, all of you who were afraid to enter missed out!!)

Combination 38S/Rainbow Tuner in one package
1st - WD6BOR, Darrel Jones
2nd - AF7Y, Dennis Utley
3rd - KF6ML, Sam Imai

Someone estimated the crowd at 100, I would say that it was more like 150 to 200 both nights. The electricity and excitement was unbelieveable. The rigs were beautiful, the judges were extremely intent, and certainly took it very serious. We even had a visit from Marcia Brimson, 2E1DAY, who is the Marketing Manager from the RSGB, publishers of RadCom. She took several pictures and I would not be surprised to see some of them show up in a future edition of RadCom.

We announced that there will be another NorCal Design contest next year, with the rules as follows:

1. QRP related
2. Parts cost limit $30
3. Deadline Oct. 1st (contact me for details)
4. Winning entry to be kitted by NorCal for the 1998 NorCal Dayton Building

Contest.

Those of you who were at Dayton in 1996 may remember how Chuck Adams cost me $150 in prizes due to a "tie" for 6th place. I have had all year to plot and plan. Saturday night it all came together. I announced a new division in the building contest, The Unlimited Class. The Unlimited Class is for anything that you build after May 16, 1997. The entries will be judged at Dayton 1998, and the winning entry will receive the K5FO Trophy, which, since it is named after him, K5FO will pay for. (Gotcha Chuck!!) The crowd loved it, and Chuck was a great sport. He is going to get one of the glass trophies that he present to Jim Cates and I at Pacificon. It is a work of art and one of my most treasured possessions. So, those of you who build, get the iron hot!!

Late Saturday night, I was visiting with George Dobbs and Dick Pascoe when Ed Manuel stopped by to give me a battery, and to ask me if I had started worrying yet. I was confused and asked Ed why I would worry. He (being a fellow Texan and one of the members of the LOSING team in the big game of Fox Hunting) reminded me that now Chuck has a whole year to plot and plan to get me back. It sure took the smile off my face. Boy do those Texans stick together. And by the way Chuck, I saw you grinning at us while we were talking. Somehow I think you put him up to it.

More to come, plus a Pacificon Speaker Announcement 72, Doug, KI6DS

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
Subject: [19979] Dayton Report
Message-ID: <3.0.16.19970520224632.2247842c@som-uky.campus.mci.net>

Had to miss the qrp festivities, but did get to check out Qrp ARCI and the G-QRP booths. Outside, I picked up about 3 dozen SPRATs (in binders), a G-QRP antenna book, and an older qrp notebook.
Good reading.
  Added a few new ones to my key collection. The Vibroplex straight key is fantabulous. And an old spy key for the 38s... and a not-so-qrp Icom hf.

Norcal at the G-QRP booth? 38s's for sale? Oh man, did I miss the boat.

Had lotsa fun, met old friends from a ways back, ka8ifb and ka8ddz (creeping ever closer toward QCWA). Hope to meet more of you next year.

73 es always have fun... rich

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [20008] DAYTON report
Message-ID: <Pine.GSO.3.96.970521131700.3360C-100000@hercules.acsu.buffalo.edu>

It was the absolute best weather in 20 years. Even nicer than Buffalo :-)

I brought Teflon Wire to Dayton and sold it out. I have a bunch of wire in packs though if people still need it. I didn't sell it to the commercial vendors such as surplus Sales of N*******.

I saw some solar panels for sale...it was the greatest weather to sell them with the sun so bright and all. I decided that I didn't do my homework so I postponed the purchase of the solar panels.

I have a bunch of slide switches that I forgot to bring out of the van.

Sorry to those that stopped out for dummy loads. They went fast.

I have more materials to make some. I will post a note about it.

I got about 6 email messages about wire so I think I will post a note about that stuff.

It was nice to see so many of the qrp gang at Geek Haven (Dayton).

I forgot where I was supposed to pick up the badge.(Duh)

I have reservations on the same cabin and flea market spaces for next year. Next hamfest is in Rochester NY on the 31st of May. :-)

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [19990] Dayton97
Message-ID: <33829C4A.44B3@sage.dri.edu>

Hi All,

Just a quick word to say how much fun I had at Meca! If you have never
been to Dayton, try to make it. It is worth it.

A lot of people have put a lot of work into all the events. The DIS
was rocking from the time all the QRPers got there until after
we had all left.

I won a prize at the QRP dinner drawing. And what a nice prize it is!!
It's from S&S Engineering, their very nice FC-II Frequency Counter,
with a range from 50 KHz to 225 MHz!

Not only did Dick and Kathy donate it, they even helped me get started
building it! This kit is about 60% SMT. But after only a few minutes
of instructions from Kathy I was on my way. And this was in the
vendor room with lots and lots of people and noise!

I started meeting nice people Wed afternoon in St. Louis. Seems that
Joe Everhart and I got on the same plane there! Then we were met at
the Dayton airport by John Tankersley, WD9EFN, who was kind enough
to drive us to our hotels!

Soon my room mates arived.....Danny, K3TKS and Mike, WA8MCQ. Now if you
don't think the thought of spending 4 days with that pair doesn't make
you start shaking...... :-)

There were so many people there that I could not start to name them
all. But it was such a thrill to be in their company. I really do
think QRPers are way up at the top of the pecking order!

I'll cover it in more detail in the next issue of the Quarterly. Plus
many others will also be telling Dayton tales! Be sure to get your
money into Mike Brice before the end of the month to keep from missing
this next issue!

Hmmmmm, is it ok to beg for members here on QRP-L??

And what about the 3 that made it into the Hall of Fame?? All three
have had a very large impact on QRP over the years and it's very
nice to see them recognized for their efforts. Thank you Dick,

Doug and Mike, for all the work you have done.

And I returned home with only the same, small, carry on bag that
I left home with.....it might have weighed just a little bit more
on the return trip but.....it was Dayron!

Doug Hendricks and I had a talk with David Sumner, of the ARRL, about
getting a QRP endorsment for the DXCC program. He still says that
they don't want to do that because they can't tell if someone was
running more power! Doug and I both think that's a very poor reason
to hide behind and Dave is well aware of how we feel!

He is also aware that this is not the last of this issue. Keep writing
letters and e-mail. Let him know we are out here. But please remember
to be nice.

I don't have a list to remember all those who donated prizes for the
drawing after the dinner Friday night, but it was GREAT! Everyone
there thanks you all very much.

Those of you who missed Dayton, you just gotta get there next time!

Thanks for listing,

cul, Ron KU7Y

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: John Evans - N3QOO <jaevans@codenet.net>
Subject: [20022] DSP opinions !!
Message-ID: <338351A3.569D@codenet.net>

Greetings,

  In order to dig out more QRP signals (which sometimes, rarely, may
be down in the noise), I am looking at trying out either the
W9GR DSP III or the MFJ-784B (I have located a used one for abt $140).
Scott R. gave me a great endorsement for the 784B. Does anyone know
how it compares to the DSP III ??

thanks,
john - n3qoo

John A. Evans   System Architect
Office: (719) 592-9667   Compuware Corporation
Fax: (719) 592-9534   5575 Tech Center Drive, Ste 212

email: jaevans@codenet.net   Colorado Springs, CO 80919

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp   #15   NJ-QRP #50   AK-QRP   #52   NW-QRP #454 FISTS #3184
Personal Web Page: http://www.geocities.com/capecanaveral/9773/

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: w8lrm@juno.com (Albert K. Rea)
Subject: [20039] DXCC
Message-ID: <19970521.174939.6919.0.w8lrm@juno.com>

Making the comments to Dave Summers about the
lack of DXCC for QRP will yield us nothing. Your comments
should be made to you Division Director and Vice Director.
These are the fellows that represent you in the league. Maybe
if we all do that they will at least bring it up at one of thier
sessions. Pass the word and write the messages. Don't rant
and rave but give them good sensible reasons why you think
such an award should exist. Perhaps ARCI would consider
sponsorship of a DXCC-QRP.

I wonder how they confirm the power levels used by QRO
operators ?? Interesting huh?????

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "Graham Firth" <Graham.Firth@btinternet.com>
Subject: [20011] FDIM & Dayton 1997
Message-ID: <199705211759.SAA02441@snow.btinternet.com>

Hi gang

Just a quick note from a limey to thank all those at FDIM for their
welcome and hospitality to Tony & I. Tony tells me he has written a
report so I'll not add any comments to that, just to associate myself
with all he says (and I haven't read it yet!).

I personally, had a great time, I won first prize for my teddy bear tin
Rainbow Special, won a door prize, and passed my Extra. I also bought
lots of good stuff from vendors evening, and at the Hamvention. I also
celebrated my 55th birthday on the Sunday.

As well as all this, I gave away a lot of British "Marks & Spencer" and "Curiously Strong" mint tins and introduced quite a few people to British beer (the cans with widgets in them!).

Now my main problem is to decide what my vanity call should be. I fancy W3MFJ or K3MFJ - do you think "He" will mind? Or, should I throw off the comments I get now & try for something else although the G call has to stay?

We have already booked for next year - the main problem being to convince my wife of the need to come!!!!!

If I get to escape next May, I promise to bring more beer & more mint tins (get your orders in early folks).

Again, many many thanks to everyone who was there, but especially those involved in the organisation of a great four days event - thanks guys - keep up the great work.

72/73

Graham
G3MFJ (since 1957 and older than "Him")
KC7LLX (soon to go 'cos it takes a week to send on cw)

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "Steve Cohen" <scohen@xybion.com>
Subject: [19997] FDIM, Dayton and SWL White Mountain SSB
Message-ID: <199705211404.KAA155514@nss2.CC.Lehigh.EDU>

Greetings All,

Having recently rejoined the QRP-L list, my interest in QRP has been rekindled. As there are probably twenty folks who do nothing but read for every one who writes on this list, I thought I would come out of the woodwork. Here then are my comments.

Having missed the Dayton Hamvention last year, the weather was a pleasant surprise for me this year. My last two trips to Dayton included such wonderful meteorological conditions as hail, rain and even snow. Coupled with the mud-flats that were the parking lots, my previous Dayton experiences have not been stellar. This year was absolutely beautiful.

I did not register for FDIM, but I did make it down to the Days

Inn South for OEIM (One Evening in May). I am speaking, of course, of the QRP Vendor's Forum (QRPVF). I felt like a small child in a candy shop, with all the wonderful QRP offerings condensed into one location for my perusal and purchasing pleasure.

I think it was Andy Worhol that said that everyone gets fifteen minutes of fame. While reviewing the pictures on the QRP-ARCI web site form the QRPVF, I realized that those fifteen minutes are now. Take a look at http://qrp.cc.nd.edu/qrp-l/dayton/thur/smw.jpg for a picture of me. I'm the large fellow on the right in the blue shirt and khakis. So the picture is from the back, and I'm a little sun-burned. I'll take whatever fame I can get.

In the course of the QRPVF I got the opportunity to meet Dave Benson, NN1G, from Small Wonder Laboratories. Dave is a great guy and a blast to chat with on radio design and construction issues. I was so impressed with Dave that I decided to part with a not inconsiderable amount of my hard earned cash for one of his White Mountain SSB transceiver kits for 20M.

If anyone is interested, I will be more than happy to post a blow-by-blow description of my assembly experience with this kit. Alternatively, I could just post a summary when I finish. Let me know if you are interested and I will go with the popular request.

I also got a chance to meet Chuck Adams, K5FO, and to repay an old debt. Seems that Chuck sent me a data sheet for the 8044 just before Dayton a few years back and I told him I'd see him at Dayton and give him a buck for his trouble. I missed him that year and then dropped off the QRP-L list (no time at the time), etc. Well wouldn't you know it, I ran into him at the QRPVF. I immediately whipped out my wallet and produced the dollar. It took some convincing that I owed it to him, but Chuck finally took the money. I felt as if a great weight had been lifted from my shoulders.

All in all I thought that the flea market was a bit of a disappointment this year. Seems that every year I ask my friends wether the junk quotient is up (the ratio of absolute junk to interesting stuff) in the flea, and they tell me that it is exactly the same and that I should stop asking the question. I don't know why, but I didn't find as many gems this year as I have in years gone by.

I was also reminded of Steve's second law of hamfests (which I'm sure everyone claims as their own): "If you see something and you want it, but it. It won't be there when you come back." This even applies to vendors with plenty of an item, etc. The particular case that reminded me of this was the guy near the arena with 22 gauge

teflon hookup wire. The price was a *little* steep ($15 for 100 feet or so, I think) so I decided to wait and see what else turned up. Well, I went back to buy some on Sunday morning, and he had already packed up and gone. I probably would have bought a few hundred feet.

     If you've never tried the teflon stuff, it is wonderful. Use all the heat you want to make a connection, you won't melt the jacket. I first encountered it in a transverter kit from Down East Microwave and it was love at first connection. I find the stuff *very* nice to work with.

     Which brings me to a question. Does anybody know of a decent, relatively cheap and easy to deal with source for teflon hookup wire? I'd really like to get some, but am balking at the $.50 per foot that Down East Microwave is charging. Why oh why didn't I buy a roll or two when I saw it in the flea? Stupid stupid stupid...

     Enough blathering for now.

72/7300, (VHF)

Steve

Stephen D. Cohen
N3OIE
6 Elm Place
Berkeley Heights, NJ 07922

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Glenn Swanson <gswanson@arrl.org>
Subject: [20013] For Sale
Message-ID: <33833DE1.1EAF@arrl.org>

Greetings,

     For Sale: Small Wonder Labs - Model SW-40 - Built in 1997

     A built NN1G SW-40 (aka 40-40) with NN1G's RIT mod,
     Tick-1 keyer (sidetone from the keyer is injected into the
     receiver), a 100K 10-turn tuning pot, and a fused dc input.

     Rig is built into a black-plastic clam-shell-type case that's
     roughly 7" wide by 4" deep by 1.5" high, and it works great.

     Output is 1.5 W and tuning range is set for about 7.025
     to 7.075 (+/-). Comes with all documentation (for kit, keyer,

the RIT add-on and even includes 2 spare finals (2SC799's).

A (typed) tuning chart is taped to top of case--along with
labels for front panel controls and rear panel I/O ports.
Bottom of case has the Tick-1 keyer instructions taped to it.

Front panel controls:
Power on/off, RIT on/off, RIT tune, RF Gain, Tick-1 Keyer
control button, and VFO tune (w/ a locking turns counter).
All controls have slick-looking black and chrome knobs that
are quite small and make the rig look really great.

Back panel ports: 12vdc (coaxial), phones (1/4-inch stereo),
Key or paddle input (1/4" stereo), SO-239 antenna jack, and
a (stainless steel) ground lug (with a wing-nut). Finally,
the rear panel sports a fuse holder, wired to provide three
way protection from: reverse polarity, voltage avove 15 vdc,
and the fuse will go if the radio draws excessive current.

SW-40 looks great, works great, won't last long at this price!

Asking only $150 -- includes shipping!

Contact: Glenn, KB1GW, via e-mail at: kb1gw-home@juno.com

P.S. Since everyone always asks: I'm selling this radio for
no other reason than the fact that I need the cash for another
project. The radio works FB. I'll miss it, I'm sure. Okay? ;-)

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [20015] FS teflon and excess stuff
Message-ID: <Pine.GSO.3.96.970521131446.3360B-100000@hercules.acsu.buffalo.edu>

I got several messages about Tfe wire and coax and dummy loads.
The following is a list of stuff and prices for qrpl people.

I have some in 250' packs consisting of 5- fifty foot rolls of 22 gauge
stranded teflon wire.(five different colors- no choice of colors)
 This is silver plated and rated at 200 degrees C.
You really have to work at it to melt it.

The price is 6 cents a foot plus $3 for shipping by 2 day mail.
$18 total.

Note * This is cheaper than the radio shack wire which is $4.49 for 3-20' rolls of cheap wire.

If you can use larger quantities.... the price for 1000' spools (one color) is $40 plus UPS and shipping container. If you give me your zipcode I can tell you the total. (this is 4 cents a foot !)

I also have some other items of interest that can be tossed into the box.

slide switches: (used for such things as qrp attenuators)

SPDT (new) package of four chassis mount $1
SPDT (new) package of five PC mount $1
SPDT (pulls) package of six chassis mount $1

MPF-102 (2) $1
2n3904 (10) $1
2n3906 (10) $1

Nichrome wire (5 feet) high resistance used for shunts/ parasitic suppressors etc $1

Binding posts (2 red - 2 black) $1

RG 196A teflon mini coax-50 ohm (five foot) $2

Miniature 12Vdc fans (new) 1 1/2 " x 1 1/2 " x 1 1/8"(panaflo FBH-04E12H)
 $2

Centralab rotary switches PA 1011 (new) 4 Pole 2 pos non shorting $1

Dummy loads parts....including 8 two watt carbon resistors PCB material and instructions to build a 16 watt qrp dummy load $2 (you have to etch the board if you choose to use it...simple project)
You save by etching the board and not requiring expensive padded mailers.

Most of these items can be sent with the wire at no additional cost. If you need large quantities of any items I can tell you the total weight and if any additional is needed to cover shipping.
I just repaired my digital scale with a part from Dayton :-)

73,

Jim N2GO
The Buffalo QRP CONNECTION

ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: georgez@quickturn.com (George Zafiropoulos)
Subject: [20004] Help! Low power output on Sierra.
Message-ID: <v02130501afa8cd2dc07e@[172.16.48.224]>

Hi everyone, here is my Sierra saga...

I have just finished building the Sierra kit. Everything went together nicely. Great quality kit, good documentation. Then...the smoke test...Rx and the KC-2 works great. Wow! This thing has a great rx! Sensitive, selective, this ain't no HW-7... (ooops, maybe that is not PC on QRP-L)... Anyway... No blue smoke...sigh of relief. Now lets check the tx... Tx works fine! But (there is always a but) the output is low. Aaarghhh!!!

I get just less than one watt on 40m at 13.5 v. About 0.7 watts on 30m and 0.0 watts on 20m although I can hear it on the TS-440's rx. I am rather puzzled. Everything looks good, tweeked up ok but just low output power.

All caps tweeked and peaked, toroids look fine, right size wire, spacing, turns...but low output power. I expected about 2 watts on 40 at 13.5v.

Before I randomly go at the toroids with a pair of wire cutters, does anyone have any suggestions? Thanks in advance.

'72 '73 de George KJ6VU

George Zafiropoulos
Director, Strategic Marketing
Quickturn Design Systems
(415) 694-6697

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: TMOLL@aol.com

Subject: [19996] IC706 Computer Interface / software
Message-ID: <970521095834_221200233@emout16.mail.aol.com>

Can anyone help me with the following information please?
1. A source for the full description of the communications protocol to the IC706. The data in the manual seems to be far from complete information.
2. A source for a third party hardware interface for the com link. The Icom price seems ridiculous.
3. Sources of software to use this interface, along with comments, critcism, etc of its functionality and usefulness. If it is lacking features, what are they?
If there is a lack of good software for this, I might be interested in writing some, but would be interested in what people would like to see. If there is already a wealth of good software, I would sure like to hear about it and use it!
TIA for any info. Please reply privately unless you have info that may be of broad interest to the group. I will be glad to collate info and redistribute to those interested.

Tom Moll, NoBS

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: TMOLL@aol.com
Subject: [19998] JPS NIR-12 DSP software
Message-ID: <970521100756_-1432300562@emout11.mail.aol.com>

I am interested in hearing from anyone that has or is thinking about developing software for the NIR-12 DSP unit from JPS. Also, if anyone has knowledge of any software that is available for it, please let me know.
It would seem that this unit could be programmed to be a combination filter and digital mode demodulator with its dual processors. Any ideas?
Thanks,
Tom Moll, NoBS

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Mike Duke <K5xu@cris.com>
Subject: [19988] K5XU DOWN ON 30 METERS FOR 50-40-30
Message-ID: <Pine.SUN.3.96.970521002637.19791D-100000@galileo.cris.com>

The 30 meter rig is down - won't hear qro above 5/6. Look for me Thursday evening on 7042ish with my argonaut and end-fed zepp.

I'll try to schedule 30 meters later when the rig is hearing real signals

again.

72/73

AMATEUR RADIO STATION K 5 X U
Jackson, Mississippi

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [20034] More QRP DXCC Flap
Message-ID: <199705212136.PAA08185@zia.aoc.nrao.edu>

Ed Hare W1RFI writes:
>As a fellow QRPer who happens to work at ARRL, let me offer a bit of
>insight.

>The reason ARRL does not offer a QRP endoresement to DXCC is that DXCC is
>an award offered only for those facts that can be verified from the QSL
 (snip)
>There is just no way the issuer of a QSL card could know what power level
>the other operator was using.
                                                ^^^^^^^^^^
                                                ||||||||||

>72/73 from ARRL HQ,
>Ed Hare, W1RFI (formerly KA1CV)

Likewise, there is no way of confirming what power level the QRO DXers are using either ... and for those of us who have spent parts of the last 20-30 years or more :-(working DX, we ALL know there are those who run way over the FCC legal limit chasing DX. It doesn't take much experience to tell a QRP signal from a barefoot QRO rig vs. 1KW, and in a pileup with the kilowatters, you can tell whose running 4-6 KW. Why do hams buy those expensive Henry Radio linears that run at power levels well beyond 2KW?

When I was in the submarine service, I used the local ham shack to phone patch home on the Navy Base. I was at Dam Neck, VA in the 1970's during the Clipperton DXpedition. The ham shack there was used for phone patching the wives in Norfolk to their hubbies in Antarctica. It was club station K4NCP, a Collins S-line, 4-element beam, and a Navy MARS 10KW transmitter. Every ham on that base worked Clipperton with 10KW from that station. The 10KW ham shacks at Little Creek, Norfolk, San Diego, Guam, etc. were all used that week to work Clipperton. Ask any

true DXer ... this is not an isolated case, yesterday or today.

Granted, this is not an ARRL problem, but the honesty and ethics carried by each individual ham. However, I do find it a bit hypocritcal that confirming output power prevents a QRP endorsement on DXCC, while the abuses of excess power have been legendary for years. If the ARRL were to open a forum on how to confirm output power for DXCC, it would open a bag of worms far larger than the QRP concerns. DXers have been biting their tounges on this subject for years.

Having said this, I want to make it clear these comments are NOT directed at our friend Ed Hare. Ed has always been very honest with us on QRP-L in sharing the ARRL position on this and other matters, and for what role he can offer to our cause at Newington, I'm glad he's there.

72, Paul NA5N

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: ji3m@maxwell.com (James R. Duffey)
Subject: [20012] More Vertical Efficiency (long)
Message-ID: <v02130509afa8be12725d@[192.31.66.229]>

Cecil - At the risk of drawing this out into a never ending discussion I would like to comment on your comments on my comments on your comments.:-) This discussion, of course pertains to QRP as with low power, antenna efficiency is critical. With QRP one cannot just "turn up the wick" to get back power lost due to antenna inefficiencies.

I would first like to comment on your dismissal of my estimates of coil losses of 6.2 Ohms and total resistive antenna losses of 7.2 Ohms in the original SLV;

"Bet you it's a lot higher than that. You have calculated the DC resistance. The AC resistance is much higher. The AC resistance is the inductance of the twinlead coil (on 40M) divided by the Q of the coil."

Despite your claim to the contrary, I have not calculated the DC resistance. I know that the AC resistance will be higher than the DC resistance due to the skin effect. I took that into account in my calculations. Why do you claim that the value I quoted is the DC resistance? The DC resistance is something that can easily be obtained from tables. The DC resistance of 24 gauge wire as used in the original SLV is about 1.3 Ohms for 51 feet of 24 gauge wire, much below what I quoted. I calculated this value for the DC resistance from the wire tables in the

Handbook (ARRL or CRC, it doesn't matter which). Let me repeat; the 6.2 Ohms is not the DC resistance - it is the series AC resistance associated with the wire used to wind coil. I have assumed the major loss in the antenna was the series AC resistance associated with the wire used to fabricate the coil. I obtained this value of AC resistance from Moxon's book "HF Antennas for All Locations". He has very useful tables that show the AC resistance per half wavelength for various diameter conductors at various frequencies.

But suppose, for the sake of argument, the coil has twice the resistance of what I calculated, or 12.4 Ohms. The efficiency is still slightly greater than 20%. We can look at your opinion from another viewpoint; How high does the coil resistance have to get to get before the radiation efficiency goes below 10%? The combined ground and antenna resistance will have to be 90 Ohms. This implies a coil resistance of 65 Ohms!

I think that my original estimates are based on reasonable assumptions for several reasons; the coil is wound on a reasonably low loss former at 7 MHz, fiberglass, and that dependence of Q on the form factor is less important in antennas than it is in other inductor applications. This is because the additional losses over the series resistance associated with long skinny coils such as the original SLV has are primarily due to radiation. Of course, in an antenna we are interested in radiation, so these "losses" are not really losses in this application as they appear as part of the radiation field of the antenna. Also since the twin lead is designed for use at 54 MHz and above I assumed that dielectric losses are minimal. Since twin lead insulation is polyethylene this is a reasonable assumption as long as the coil is kept dry. My calculations would not be the same if it were wound on a steel pipe. If the former were of a high loss material I would have included those losses. It isn't in the SLV so I did not take it into account.

I would be interested in your loss calculations for the original SLV coil. Is it a lot higher than my calculated 6.2 Ohms? Is it high enough to drive the radiation efficiency below 10%?

As to the need for elaborate ground systems elevated above 1/4 wl for verticals, again I would refer you to Doty's article in Antenna Compendium 5 where you can see that the modeled performance of a 4 quarter wave radial system at 10 feet on 80 M is adequate when compared to 120 buried radials. I don't know the origin of the disconnect between the Handbook and the Compendium article, but I would urge you to read the compendium article and look at the calculations presented. This discussion of grounds is more detailed than that which appears in the ARRL Antenna Handbook.

Finally, I do not understand the from Edminister, particularly in light of your added comments. I have seen it in print elsewhere and often heard it quoted in the amateur community, but I think something important is left

out;

"As the monopole radiates power only in the region above the conducting plane, the total radiated power is one-half that of the corresponding dipole". This obviously assuming perfect ground and lossless conductors."

This is contrary to my understanding of electromagnetic radiation.

Let us look at what this implies. If I feed a perfectly conducting dipole over perfect ground with a given power from a perfectly match source, say 5 watts, it will radiate 5 watts right? Now, suppose I feed a perfectly conducting monopole over perfect ground with a perfectly matched source 5 watts. How much total power does it radiate? I say 5 watts. It appears from your quote that you and Edminister would say the monopole radiates half the power radiated by the dipole or 2.5 watts? Where does the extra 2.5 watts go? Since everything is perfect it is not consumed by losses. There is no radiation below the perfectly conducting ground as it functions as a Faraday shield, the 2.5 watts does not go there. There simply is no other place for it to go. The monopole will behave as the dipole does and will radiate all the power applied to it, or 5 watts.

I can think of two possible explanations for the origin of the statement; One is that the dipole impedance is matched to source impedance of the generator driving the antenna. This results in maximum power transferred. This same source is then used to feed the monopole, resulting in a loss in power transfer efficiency. If the source impedance of the generator is matched to the monopole, as we can do in a straightforward manner, maximum power transfer will also occur for the monopole. The second origin is that the figure of one half applies to the ratio of the field strength measured in the far field of the monopole divided by the field strength of the dipole in the far field measured in a direction perpendicular to the axis of the dipole. This is not efficiency, but rather directivity. The perfect monopole and the perfect dipole over a perfect ground can both radiate all the power applied to them. There is simply no other place for it to go.

It seems to me that you use directivity and efficiency somewhat interchangably. I find this somewhat confusing. I think that much of what you are calling an advantage in efficiency is really the directivity of a dipole. I have avoided addressing comparisons in directivity, since any advantage for either antenna is somewhat arbitrary in terms of chosen direction and height above ground. That is, by choosing the appropriate direction, one can make a case (not necessarily sound) for either antenna being superior to the other.

I would like to reiterate my original points. Opinions are out of place when they can be replaced by calculations or measured data and that verticals often get undeserved bad press, and have their place. I too would prefer a 40 M dipole at 125 feet to a ground mounted SLV with 4 radials

lying on the ground. My point was not that the SLV is a great antenna or that verticals are superior to dipoles. My point is that verticals have their place, and that there is no need to make arbitrary statements about their performance that cannot be backed up reasonably. I think your "opinion" on the SLV efficiency being less that 10% could have been backed up by simple calculations such as I presented. At the least you could have stated that you believe that this applies to 40M only. By not doing so I believe you may mislead readers. The 24% I calculated for efficiency is poor, why make it worse than it really is?

Keep up with your posts. - Duffey KK6MC/5

James R Duffey KK6MC/5 DM65
30 Casa Loma Road
Cedar Crest, NM 87008

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: RobCap@aol.com
Subject: [19992] My New Heathkit Web Page
Message-ID: <970521075810_-1130568053@emout14.mail.aol.com>

Hi Folks-

I've just put up my W3DX Heathkit web page. It's just a start, but I plan to add a lot more content over the next weeks and months. Stop by for a visit, and let me know what you think.

Also, please spread the word about the site, and feel free to cross link to it from your sites.

The site is located at: "http://members.aol.com/w3dx/index.html".

73,

Rob, W3DX

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>

Subject: [20018] Need Cobwebb info?
Message-ID: <864234755.051502.0@gqrpclub.demon.co.uk>

Someone in the States asked me for the text file - sorry lost your email. Please resend and if anyone else wants the info on this excellent, small HF antenna (British is best!) - please let me know and will email it to you direct, with picture.
Usual disclaimer etc!
Frank G3YCC
QRP Web Site: http://www.gqrpclub.demon.co.uk

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "John A. Evans - N3QOO" <jaevans@cos.cst.titan.com>
Subject: [19994] New email address !!!
Message-ID: <199705211344.JAA162400@nss2.CC.Lehigh.EDU>

Greetings,

  I am switching to a new email provider immediately, so my new email address is:

    jaevans@codenet.net

  My web page has not moved and I have subscribed to the list via the new address!!

tnx es 73/72 de n3qoo - john

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp   #15   NJ-QRP #50   AK-QRP   #52   NW-QRP #454 FISTS #3184
Personal Web Page: http://www.geocities.com/capecanaveral/9773/

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Dan Hogan <dhhogan@lightside.com>
Subject: [20007] PCB Case Construction
Message-ID: <3.0.1.16.19970521095824.1a3f57d2@mail.lightside.com>

Somwhere I read or saw a hint for building a jig to construct rig cases from double sided PCB. I spent the morning looking through my magazines, no luck. Anyone have any idea where this hint can be found?

72/73
Dan Hogan WA6PBY QRP-L #558, CQC #340, NorCal #1806,
dhhogan@lightside.com ARRL, ARCI #3847, G-QRP #9533, FISTS #2949
Lat. 34d 03.5'N Lon. 117d 56.0'W Grid: DM84wc

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: n0acs@juno.com (John R. Morris)
Subject: [19989] PHOENIX CRYSTALS NEW E-MAIL ADDRESS
Message-ID: <19970520.234010.7439.0.N0ACS@juno.com>

Hi Gang,

Phoenix Crystals has a new E-mail address:
phxtal@nava-link.net

This new address is up and on-line. I will CONTINUE to check the Juno address which I am presently using to download the QRP-L list.

Due to the long distance charges for using JUNO I plan on discontinuing it's use before much longer. But I don't want anyone to think I'm skipping out without sending their crystals so PLEASE.....NOTE OUR NEW E-MAIL ADDRESS SOMEWHERE YOU CAN FIND IT FOR FUTURE USE.

I WILL PLACE A COUPLE OF ANNOUNCEMENTS ON HERE BEFORE I DISCONTINUE JUNO'S USE COMPLETELY.

Thank you all for your orders and support.

72
John at PHOENIX CRYSTALS

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: TMOLL@aol.com
Subject: [20037] QRP DXCC
Message-ID: <970521181237_-1365271780@emout10.mail.aol.com>

<< I have confirmed 7 countres on 10 SSB - I wasn't on the air. If I get 100 bootleg
countries, I will apply for DXCC - then the boom gets lowered.

73, Red K5VOL >>

Red,
Some guys are always bragging ! Now that's what I call QRPpppppppppp !!!
Just one question, doesn't that calculate out to be infinity for miles per watt ?
72, Tom Moll, NoBS

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: [19983] SGC and Index Labs
Message-ID: <19970520.200824.7727.2.kb0rol@juno.com>

I'm on the Digest so this may have been said but here goes,

Page 78 of the June 1997 QST talks about the "collaboration" between Index Laboratories president Bruce Franklin and SGC. The major items of interest are:

1- SGC has not acquired Index, its product line or its customer-service obligations. Index will continue to provide warranty service for the QRP+ but will no longer do retrofit service.

2- the new SGC 2020 will retain the "basic architecture" of the QRP+ but with significant differences: - continuous 20mW to 20W output, weight 1 1/2 lbs and intro price of $595. The SGC 202 will be available around September 1, 1997.

To get more info try - www.sgcworld.com.

Also on the same page Radio Shack is taking their HTX-204 off the market (recall) due to a "regulatory compliance issue". What's it do that's so bad?

de KB0ROL, Brad

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "W. D. Lindsey" <70511.3041@CompuServe.COM>
Subject: [20009] SLV Pole Source
Message-ID: <970521173356_70511.3041_IHD87-1@CompuServe.COM>

Gang:

I just went to Mills Fleet Farm here in Rochester, MN, and they had probably 30 of the South Bend SD-20 fibreglass poles actually in stock. Previously I had gotten the lead to this source via South Bend's web page (http://www.south-bend.com/index/html/. Thanks to Bob Hightower KI7MN/4 who sent me this url.)

Here are other possible sources for this particular pole, FYI (taken from Southbend's web page):

Ace Hardware	Caldor	Robinson's	Big 5	K-Mart
Sears	Dicks	Fred Meyer	Shopko	True Value
Dunhams	Sportmart	ODD Lots	Target	Wal-Mart
Academy	The Sports Authority		Gander Mountain	
Blain Farm and Fleet		Mills Fleet Farm		

South Bend offers to send a catalog, and there is a place to write to them directly from the web page.

Their snail mail address is:

South Bend
ATTN: Michael Olshansky
1910 Techny St.
Northbrook, IL 60065

There are no phone or FAX numbers listed on the web page.

I trust that this information is useful for those who are possibly constructing an SLV using Vern W6MMA's coils.

72/73,
--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 mn-qrp 19 ak/qrp 139
nj-qrp 69 ARRL

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "Rich Dailey, KA8OKH" <ka8okh@som-uky.campus.mci.net>
Subject: [19981] SPRATs Wanted
Message-ID: <3.0.16.19970521022145.2f276058@som-uky.campus.mci.net>

Looking for the following SPRAT issues (a bunch) -

1 - 48,51,57-60,62, 79 and up. Can you help?

Yes, I am joining G-QRP. Great reading...tnx.

Rich Dailey - KA8OKH <ka8okh@som-uky.campus.mci.net>
The KA8OKH Web - <www.qsl.net/ka8okh>
qrp-l #933 ars #223 amsat #11900...   ZUT!

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: svecbrdk@well.com (L.Svec,W.Burdick)
Subject: [20000] SST orders: reminder
Message-ID: <199705211505.IAA09624@smtp.well.com>

The deadline for the $69 SST field-test price is still June 1. There are still some kits left in the first run.

73,
Wayne
N6KR

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: svecbrdk@well.com (L.Svec,W.Burdick)
Subject: [19999] SST transceiver theory note: receiver front-end response
Message-ID: <199705211500.IAA08781@smtp.well.com>

In the SST article in QRPp, my explanation of how the SST's receiver front-end filter works left too much to the imagination. Funny how when you take away some parts, the thing gets more complicated ;)   Here's how it works:

C1 and RFC1 actually form a *series-tuned* circuit, with RFC1 effectively connected to AC ground by C3 (.01uF). Since the signal is shunted to ground by C3, the load for the tuned circuit is U1 (NE602), via C2 (5pF). At the junction of C1/RFC1, the impedance is very high, and C2 provides a good match to the 1500-ohm input impedance of U1. On transmit, D1 shunts C1/RFC1 to ground so the series-tuned circuit has no effect.

When the series-tuned circuit is considered together with the low-pass filter (C34/35/36 and L2/3), you find that the overall response on receive

is much more complex than with the series-tuned circuit alone. It is a double-humped band-pass response, with the second hump's location dependent on where the knee in the low-pass filter curve is located. The 5-pole LPF greatly attenuates the image response, which on 40m is around 15.04 MHz.

Ideally, you want the low-pass filter's knee to be at the same location as the peak of C1/RFC1. While it is possible to select components for the low-pas filter that result in an optimal band-pass peak at the operating frequency, this compromises transmit performance. As an example, consider C34=C36=1000pF, C35=1500pF, and L2=L3=1100nH. These values work well on receive, but show a high SWR and excessive ripple on transmit.

Modelling

If you're interested in modelling this circuit, you'll need to also add in the parasitic capacitance for RFC1 (about 6pF in parallel), as well as about 4pF for pin 1 of the NE602. On 40 meters, C1's value is around 24 pF at resonance; RFC1 is 15uH.

For the low-pass filter, I used C34=C36=330pF, C35=820pF, and L2=L3=1.4uH, which provides a good match from the 2N3553 to a 50-ohm load. This places the low-pass knee somewhat above 7MHz. You may want to plug in the low-pass values I mentioned earlier to see the effect of moving the knee down in frequency.

In order to make the model match reality on receive (with the actual LPF values), I had to include some capacitance for the zener diode and the 2N3553's collector. I used about 400pF, which may be on the high side, and eventually I'd like to use a more accurate figure. (If anyone else tries to model the circuit, please let me know.) In the real SST, the second hump is near 8.5MHz and about 10dB below the 7MHz peak of the series-tuned circuit, and the model agrees when I add the extra 400pF at the zener side of the LPF.

73,
Wayne
N6KR

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: kf2ph@juno.com (Nick J Franco)
Subject: [19984] Tek 465 Scope Info?

Message-ID: <19970520.231211.9646.1.kf2ph@juno.com>

Hello QRP-Lers,

Well, I didn't go to Dayton, but I did get a new toy. My father bought me a used Tektronics 465 dual trace scope. I have no idea how to use it though. I need a manual and maybe some help along the way. If any of you know where I can buy, copy, steal, etc. a manual for this little gem I would appreciate hearing from you. I did check it out a little but have no idea what I'm seeing other than a sine wave. I want to learn how use the scope to measure output watts, voltages and anthing else it can do. I hate feeling so stupid.

I also received a bunch of Heathkit test equipment from my cousin who dropped off the scope. Now I need a larger laundry room to build into my shack to house all this stuff. I know it's all great equipment, but again, I have no idea what to do with most of it. He gave me 5 pieces of gear: an RF Oscillator, model 5280; an RLC bridge, model 5281; an Audio generator, model 5282; a Signal Tracer, model 5283; and a Multi-Meter, model 5284 along with a matching power supply and this octopus type cable for all 5 pieces. So if anyone has any info on these items and/or manuals, please let me know. Here or to my work email address which I read regularly at: kf2ph@bnl.gov

Thanks and keep the Dayton reports and fun posts coming :-)

72 es God Bless,
Nick - kf2ph

------- <>< ------- <>< ------- <>< ------- <>< ------- <>< -------
Nick Franco - 18 Weidner Lane - Patchogue, NY 11772
Music Minister - Church of the Nazarene - Patchogue, NY
KF2PH - LIQRP # 2 - QRP-L # 13 - NE-QRP # 349 - FISTS # 3199

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: FAITHD@dnr.state.wi.us (Don C. Faith III, AM/7, \(608\) 267-3135)
Subject: [20019] Tentec 10m to 2m transverter kit
Message-ID: <009B497801B16F08.A51A@dnr.state.wi.us>

For those of you (like myself) who didn't make Dayton, I just saw a note on the Tentec reflector which may be of interest to some of the people on this list. They have just introduced a 10m to 2m transverter kit (max. 10W output; this is QRP for SSB and FM). Price: $139 + $9 shipping.

I knew they were working on something like this last fall after making the suggestion to them that they make a 6m to 2m transverter (which would enable full coverage of 2m). Refer to tentec's post on the reflector (dated May 19th):

http://www.contesting.com/_tentec/

I have no connection to or financial interest in Tectec (I just hope I can buy one of their HF rigs someday). I placed my order for the transverter this AM.

73 de N9WR, Don C. Faith

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: kd7s@psnw.com (Bill Jones)
Subject: [19987] Thank You NJ-QRP Club
Message-ID: <199705210417.VAA01051@sierra.psnw.com>

I would like to offer a public "thank you" to the members of the NJ-QRP Club for donating the Rainbow Tuner kit I won at the Dayton Building Contest. It is obvious that no small amount of effort went into this project and I am anxious to begin construction. You have provided the QRP community with a valuable piece of equipment for which I am extremely grateful.
==========
Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com
==========

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: PDouglas12@aol.com
Subject: [20030] Two more funnies
Message-ID: <970521170317_485286571@emout15.mail.aol.com>

Gang,

Looking at the terrific pics on the QRP-L website reminded me that we had one funny presentation at QRP-L. Rex Harper N1SYZ (I think that's right, Rex) donated an Altoids necktie and box of genuine Altoids mints to the FDIM committee for giveaway to a worthy person. Rev George, during his FDIM lecture mentioned that he had probably read his fill of Altoids postings.

Well that was all we had to hear. An impromptu FDIM committee meeting was held sotto voce while he wound up his talk. We selected him to be the recipient of this prestigious token. You can see his surprised face in the Dayton picture collection on the website.

Oh, and the bees. Some of my close friends know my story about the bees as it relates to hobbies, but it isn't suitable for posting. In any case, apparantly there was a queen bee and supporting swarm that landed on a display table out in the flea market on Sunday afternoon, just as the vendors were packing up. I saw these two notso bright guys trying to dislodge the swarm from their empty folding table. That struck me as particularly dumb, and I retreated at a full run before I found out if they succeeded. If it were my table, I would have left it there, closed up the truck and gone home. I hope those guys weren't hurt. But last I saw them they were shaking that table. Dumb.

72,

Preston WJ2V

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Stanley Wilson <microres@crl.com>
Subject: [19986] Wanted basket case FT-7
Message-ID: <Pine.SUN.3.91.970520210733.6309C-100000@crl9.crl.com>

I am looking for a non-operating but complete FT-7.

I have one already that works. I want to develop some upgrade boards and need something for a breadboard. Do not want to use my working unit for that.

Thanks, Stan AK0B

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Jim Dolson <dolsonj@ix.netcom.com>
Subject: [20016] Why No DXCC/QRP from ARRL
Message-ID: <33834337.7463@ix.netcom.com>

I think that it is obvious why the ARRL does not what to issue a sticker for QRP DXCC.

You have thousands of people who have spent thousands (tens of thousands?) of dollars on DXing equipment. They fight and spit their

way over the years to get their 100, 200, then 300 countries.

Now along comes a bunch of QRPers running 1/400th of the power and they start getting DXCC certificates, first for 100 countries, then 150, then 200, then ...

It would kind of put them to shame, wouldn't it?

In my opinion, the DXers think that they own this hobby and the ARRL pretty much thinks that too. We can't offend the DXers. Ooops, I mean we can't offend the QRO DXers.

I shoot .22 pistol in NRA bulleye competition sometimes. There is a guy that shows up now and then with a revolver that has just iron sights (no scope). He can whip the pants off everybody with there semi-auto's, high-tech scopes and special grips. I'm not sure they like the guy. Same thing.

Jim
wb8zbd

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "Dave Maliniak" <dmaliniak@penton.com>
Subject: [20020] Why no QRP DXCC...
Message-ID: <8525649E.006A3A7C.00@mail.penton.com>

John Evans wrote:

>> In my opinion, the DXers think that they own this hobby and the ARRL
>> pretty much thinks that too. We can't offend the DXers. Ooops, I mean
>> we can't offend the QRO DXers.

>Perhaps we cannot offend the vendors selling the big amps !!!!

You got it, John. Never forget that the ARRL is a big publishing house first and foremost. If you find yourself scratching your head over why the ARRL does or does not do X, Y or Z, think how their action or inaction may affect them in terms of advertising dollars. The answer will often make itself apparent when the question is viewed in that light. Same thing applies to code/no code and the growing debate about giving HF privileges to Technicians. Yaecomwood's sales of HF gear is way down. Sharks smell blood in their efforts to pry away the 2-meter band from Amateur

allocation. Yaecomwood buys many, many pages of advertising in QST. Hence, the ARRL suddenly advocates HF privileges for Techs.

Doug Hendricks alluded to this point as well.

Take it from somebody who is firmly entrenched in the publishing business...

72 David N2SMH
Glen Rock, NJ

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
Subject: [20038] your asian travel dictionary (joke)
Message-ID: <9705212228.AA20677@wizard.ucs.sfu.ca>

> a joke for my travler friends...
>
>
> Language proficiency is part of the international contracting scene. This
> exchange between an English-speaking traveler and a member of the hotel
> staff
> in a Far East hotel was recorded in the "Far-East Economic Review."
>
> Room Service: Morny. Rune-sore-bees.
> Hotel Guest: Oh, sorry. I thought I dialed Room Service.
> RS: Rye, rune-sore-bees. Morny. Djewish to odor sunteen?
> HG: Uh... yes. I'd like some bacon and eggs.
> RS: Ow July den?
> HG: What?
> RS: Aches. Ow July den? Pry, boy, pooch...?
> HG: Oh, the eggs! How do I like them? Sorry. Scrambled please.
> RS: Ow July dee baycome? Crease?
> HG: Crisp will be fine.
> RS: Hokay. An Santos?
> HG: What?
> RS: Santos. July Santos?
> HG: Uh, I don't know... I don't think so.
> RS: No. Judo one toes?
> HG: Look, I feel really bad about this, but I don't know what "judo one
> toes"
> means.   I'm sorry.
> RS: Toes! Toes! Why djew Don Juan toes? Ow bow cenglish mopping we
> bother?

> HG: English muffin! I've got it! You were saying toast! Fine, an
> English
> muffin will be   fine.
> RS: We bother?
> HG: No. Just put the bother on the side.
> RS: Wad?
> HG: I'm sorry. I meant butter. Butter on the side.
> RS: Copy?
> HG: I feel terrible about this but...
> RS: Copy. Copy, tea, mill...
> HG: Coffee! Yes, coffee please. And that's all.
> RS: One Minnie. Ass rune torino fee, strangle aches, crease baycome,
> tossy
> cenglish   mopping we bother honey sigh, and copy. Rye?
> HG: Whatever you say.
> RS: Hokay. Tendjewberrymud.
> HG: You're welcome.
>

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Bill Todd <bill@techline.com>
Subject: [20003] Re: Dayton97
Message-ID: <1.5.4.32.19970521160606.006c46e4@mail.techline.com>

Ron wrote -

>Doug Hendricks and I had a talk with David Sumner, of the ARRL, about
>getting a QRP endorsment for the DXCC program. He still says that
>they don't want to do that because they can't tell if someone was
>running more power!

That is a VERY stupid reason for not allowing a QRP designation on the DXCC.
People that complain a lot about possible dishonnesty in others, should take
a look in the mirror.

By 4 now-
CUL - Bill-N7MFB
http://www.techline.com/~bill

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997

From: Bob Reynolds <breynold@sigg.com>
Subject: [20006] Re: Dayton97 -Reply
Message-ID: <97May21.113405cdt.19710@firewall.sigg.com>

>getting a QRP endorsment for the DXCC program. He still says
that
>they don't want to do that because they can't tell if someone
was
>running more power!

Then why do they allow DXCC to guys running 4kw to 20kw ? I
know of 4 of these guys near me. BTW, I have confirmed 7
countres on 10 SSB - I wasn't on the air. If I get 100 bootleg
countries, I will apply for DXCC - then the boom gets lowered.

73, Red K5VOL

breynold@sigg.com

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: rob3ert@juno.com (Robert G. Parks)
Subject: [20002] Re: FDIM, Dayton and SWL White Mountain SSB
Message-ID: <19970521.082906.3582.0.rob3ert@juno.com>

Steve,

Send an e-mail to:

Jim N2GO

jskalski@acsu.buffalo.edu

He has teflon wire(oh, does he have teflon wire!) at very reasonable
prices. I bought some, months ago, and use it on all my projects.

72/73

Bob Parks
K6AEC (Las Vegas)

On Wed, 21 May 1997 09:50:48 -0500 "Steve Cohen" <scohen@xybion.com>
writes:
>Greetings All,
snip----
>   Which brings me to a question. Does anybody know of a decent,
>relatively cheap and easy to deal with source for teflon hookup wire?
>I'd really like to get some, but am balking at the $.50 per foot that
>Down East Microwave is charging. Why oh why didn't I buy a roll or
>two when I saw it in the flea? Stupid stupid stupid...
>
>   Enough blathering for now.
>
>72/7300, (VHF)
>
>Steve
>----------------
>Stephen D. Cohen
>N3OIE
>6 Elm Place
>Berkeley Heights, NJ 07922
>
>

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Doug <doug@sunrise.alpinet.net>
Subject: [19985] Re: gel cell rate
Message-ID: <33826EA0.618E@alpinet.net>

Mike...a good safe rule of thumb for any "wet" battery is charge at
10% of the rated amp/hr figure...ie for your cell, a satisfactory
charge would be at 1 amp. I worked on big power plants in the phone
industry for 30 years and that was the standard figure we used, given
an unknown cell design. Some strings can take more, but in the case
of the sealed gel cells, I'd hesitate to charge at any rate that will
create heat and expansion of the electolyte paste...and then destroy
the battery. Leakage in gel filled batterys is commonly at the point
of entry for the terminals...could be a clue to failure of your other
cells.

Good Luck

73

Doug, K7YD
Livingston, MT

Mike W. Burger wrote:
>
> I am thinking about purchase of a 10 amp hour gel cell. In the past
> I have had problems with the terminals rotting off in short order.
> Also I have seen statements that gel cells must be charged slowly
> to avoid internal gassing and decomposition.
>
> The question is, given that I have a nice current limited power supply,
> what would be an appropriate charge current for a 10 amp hour gel
> cell?
>
> Mike Burger   AH7R   Honolulu County   Grid: BL11ch   QRP-L #1053
>   FISTS #3225   ARS #240   "Under the Bee's ... 28"

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: AE0Q V31RY <v31ry@ix.netcom.com>
Subject: [20023] Re: IC706 Computer Interface / software
Message-ID: <2.2.16.19970521195104.0a2f3bca@popd.ix.netcom.com>

At 09:59 21-05-97 -0400, N0BS wrote:
>Can anyone help me with the following information please?
 snip
>2. A source for a third party hardware interface for the com link. The Icom
>price seems ridiculous.
>3. Sources of software to use this interface, along with comments, critcism,
>etc of its functionality and usefulness. If it is lacking features, what are
>they?

  There was a very detailed article in Feb '93 QST, pg 37, about computer interfaces for all the brands of radios. The parts cost about 10 bucks, and you can get etched/drilled PC boards from the author, AA8DX, for $8 each. I've built 3 of them using his PC boards for Kenwood rigs. The Kenwood interfaces use more parts than the Icom/TenTec/Yaesu circuit because they are optically-isolated from the radio. His e-mail is cwtech@infinet.com, tel number for ordering is 614-759-1506 (or 800-547-7479).

  W1GEE sells interfaces for the standard Icom rigs, if the 706 is the same standard. All parts are in the shell of a DB-25, it runs off the serial port power. It replaces the Icom CT-17. Part # LCUIA, $50.

His e-mail is w1gee@telplus.net, or fax 207-862-3166.

  The W1GEE interface is also available from Personal Database Applications, they sell the logging software LOGic-4, their web site is:

   http://www.hosenose.com/~pda

I've been using LOGic-4 by Dennis WN4AZY for 3 years now, and it's a great program.. Dennis is available via e-mail or the telephone, and answers questions very happily. It is based on FoxPro, and is an awesome logging program. You can download a demo version (for Windows) from the PDA web site, and see a sample of the logging screen there, too..

It has rig control functions built in, and can be customized for logging and scoring ANY contest, although it comes with setups for over 50 contests. I've made contest setups for LOGic for 7 of the QRP contests..

73 -- Glenn

"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com --SOWP 5558-M, QCWA LM, ARRL LM, NCVA--
http://www.qsl.net/ae0q

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: dzn1@juno.com (Howard D Rubin)
Subject: [20036] RE: JIPS NIR-12 DSP Software
Message-ID: <19970522.061220.9278.1.dzn1@juno.com>

What about the NIR-12: Is it an open system? Whose DSP do they use and is there an external EPROM for program storage? Do you have access to development tools (code generation and simulation) for writing the assembly instructions and checking out its performance prior to burning an EPROM? In some systems, a kernel is provided on a host platform to download executable code to the DSP so that it may run as an embedded system to process signals. In other cases a hardware emulator may be used to download code to memory spaces vis a JTAG port on the platform. In the later case turning off the system power will result in lost program and data, so not such a practical alternative. Some of the newer DSPs are equipped with Flash Memory. This allows downloaded code to be retained after power is removed from the chip.

I'd like more information on the NIR to know if it is a "willing host" for new DSP applications.

Regards,

Howard Rubin, N3FEL
Editor, X-Mitter
Penn Wireless Association
http://www.pennwireless.org

On Wed, 21 May 1997 10:08:17 -0400 (EDT) TMOLL@aol.com writes:
>I am interested in hearing from anyone that has or is thinking about
>developing software for the NIR-12 DSP unit from JPS. Also, if anyone
>has
>knowledge of any software that is available for it, please let me
>know.
>It would seem that this unit could be programmed to be a combination
>filter
>and digital mode demodulator with its dual processors. Any ideas?
>Thanks,
>Tom Moll, NoBS
>
>
>

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Dan Tayloe-P26412 <Dan_Tayloe-P26412@email.mot.com>
Subject: [19978] Re: Marine Batteries?
Message-ID: <M969430.005.i5644.1.970520225904Z.CC-MAIL*/OU=SATCG/OU=AZBH/PRMD=MOT/
ADMD=MOT/C=US/@MHS>

     From: "Bob Edwards, W4ED" <rbe@atlanta.com>
     Reply-To: w4ed@amsat.org
     Organization: SmS
     X-Mailer: Mozilla 3.0Gold (Win95; U)

     >> The easiest homebrew thing to do is to build a regulated supply for
     >> 13.8v. This is the nominal "float" charging voltage for such a
     >> battery.

     >Caution, with this common 13.8 volt value. Check the
     >owners manual for your battery.

     >My deep cycle marine battery (DC27-850) manual has the
     >following table:

     >State of
     >Charge   Voltage
     >------   ------
     >100 %   12.7 V
     > 75 %   12.4 V
     > 50 %   12.2 V
     > 25 %   12.1 V

     >Based on this table, I use a heavy duty power diode

>in series with the 13.8 V DC power supply.

This table as stated is absolutely true. You can determine the charge state of the battery by its terminal voltage as this table states.

However, it does not tell the full story.

The open circuit voltage *delivered from* a fully charged 12v lead acid battery is not the same as the proper *charging* voltage for that battery. 13.6 to 13.8 is the correct *charging* voltage for float charging a 12v gel cell/lead-acid type battery. This is just an inherent part of the lead-acid battery chemistry.

This does not mean that you cannot charge the battery with a lower voltage. You clearly can. It is just that it will take *much* longer to charge it to full charge using only 12.7v as compared to the "float" voltage of 13.8v.

- Dan Tayloe, N7VE, Phoenix, Az, QRPL # 696, Az ScQRPions

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Bob Roach <KE4QOK@worldnet.att.net>
Subject: [19980] Re: NF3I's balding head on QRP-L web site, plus 6m QRP...
Message-ID: <19970521022130.AAB7341@LOCALNAME>

>I'm the balding 28-year-old on the left.

A QRP "reflectror", right?

(o o)
_____oOO_( )_OOo_____
73 es TNX
KE4QOK Real radios glow in the dark.
Bob Power is no substitute for skill.
If it stayed up last winter, it was too small.
136 Hermitage Rd.
Newport News, Va. 23606 KE4QOK@worldnet.att.net
(757)930-0348

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: jbartac@max.state.ia.us (Jerry Bartachek)
Subject: [20001] RE: SG-2020 From SGC

Message-ID: <33833007.701C@max.state.ia.us>

I've been reading lots of comments and inquiries about the new SGC-2020 (successor to the Index QRP Plus) on the QRP-L, and thought I'd share what I know.

On SGC's web page they now have a picture of what the new rig will look like, and you can click on the image to enlarge it.

The site is found at - http://www.sgcworld.com/sg2020.html

Also there is a page called the SG-2020 Operator Interface where they display an expanded drawing wiht each control numbered and the function therof described in text below.

The site is found at - http://www.sgcworld.com/sg2020INTERFACE.html

This rig looks promising and frankly I can hardly wait to get one in September.

Now, about the comments expressing anxiety about the descriptions of "channels". I see that they state there will be 20 memory channels as in the QRP Plus, but I'm not sure about the "50 channels" matter.

Those who posted the questions to the list should send them some E-Mail expressing your concern. At first when the announcement was made about the new SG-2020, I was curious if the rig would be channelized, keypad-only entry like the other SGC rigs. So I sent them an e-mail message and the reply said:

>Thank you for your inquiry about the SG-2020
>
>1 - The SG-2020 will retail the SCAF, along with xtal filter and IF >shift.
>2 - The meter will measure output power as you describe +/- 10%
>3 - The SG-2020 will have a VFO style tuning knob.
>4 - We hope that the dealers will discount this $595.00 price.
>
>We appreciate your interest, and look forward to hearing from you again >soon.
>
>Stay tuned to our web site for the latest information.
>
>Best Regards,
>Bob Gregg AB6CH
>SGC

So write them already! Don't carry that angst around with you, as they really want to hear from you.

72,

  Jerry L. Bartachek <><
     Washington, IA
QRP-L #544 QRP ARCI #5166

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Ed Tanton <n4xy@bellsouth.net>
Subject: [20026] RE: SG-2020 From SGC
Message-ID: <3.0.1.32.19970521161444.00a31e00@mail.atl.bellsouth.net>

For what it's worth, I have to completely agree with Jerry: it LOOKS like a QRP++ with certain other desireable improvements (backlighting, ergonomic layout [I know you'll all miss the S-meter in the lower right corner-I know I will])... as long as I can use that tuning knob to vary the frequency from some starting point-such as a band edge-I don't care if that memory location is called a "channel" or what. If the web page description holds, I'll certainly be getting one.
72/73

_____
Ed Tanton   N4XY   EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466   TEL: (770)579-3933 V/MBX/FAX
_____
QRP-ARCI #7663   G-QRP #6779   OK-QRP #172   QRP-L #758
AdvRC #140   NORCAL #1779   NCDXF   SEDXC

Life Member: ARRL   AMSAT   INDEXA   QCWA
_____

INTERESTS: DX   QRP   BoatAnchors Test Equipment Photography
     CW: 99.9%   QRP: 95-100% (Mood swings!)
~~~~~~
"Think you can, think you can't: either way you're right!"   Henry Ford
~~~~~~

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "Robert J. Gobrick" <rgobrick@worldnet.att.net>
Subject: [19995] Re: SGC and Index Labs

Message-ID: <3.0.32.19970521083900.00c25900@postoffice.worldnet.att.net>

QRP-L gang,

Just a short update on the SGC 2020. I spoke to a SGC sales rep at Dayton and he didn't have much new information that we didn't already know. He did lead me over to a booth with an Internet connection and we pulled up the SGC Homepage.

One interesting tid-bit that I noticed that maybe someone can verify. It looks like the SGC 2020 will be "channelized" like a lot of the other "commercial" SGC rigs. Could this be why they bought the design - an inexpensive ($599) rig for the "commercial" world. The 50 channels of frequency don't fit in so great with ham band use. Anyway - just an observation.

Cheers 73/72 Bob N0EB

At 03:13 5/21/97 +0000, Bradley L Mugleston wrote:
>
>2- the new SGC 2020 will retain the "basic architecture" of the QRP+ but
>with significant differences: - continuous 20mW to 20W output, weight 1
>1/2 lbs and intro price of $595. The SGC 202 will be available around
>September 1, 1997.
>
>To get more info try - www.sgcworld.com.
>

| PLEASE NOTE NEW EMAIL ADDRESSES - PLEASE REPLY TO BOTH ADDRESSES |
| |
| Bob Gobrick - N0EB & VO1DRB (ex WA6ERB, VE2DRB) Stillwater, MN |
| |
| Internet: rgob@tco.infonet.com |
| AND Internet: rgobrick@worldnet.att.com |

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: WD6BOR@aol.com
Subject: [20005] Re: Tek 465 Scope Info?
Message-ID: <970521122818_36165563@emout09.mail.aol.com>

In a message dated 97-05-21 07:53:19 EDT, kf2ph@juno.com (Nick J Franco) writes:

<< Well, I didn't go to Dayton, but I did get a new toy. My father bought me a used Tektronics 465 dual trace scope. I have no idea how to use it

though. I need a manual and maybe some help along the way. If any of
you know where I can buy, copy, steal, etc. a manual for this little gem
I would appreciate hearing from you. >>
You can get Tektronix manuals from a number of different sources. Try:

Deane Kidd, W7TYR
27270 S.W. Ladd Hill Road
Sherwood, OR 97140
503-625-7363

Ed Matsuda
Test Equipment Manuals
P.O. Box 390613
San Diego, CA 92149
619-479-0225/FAX 619-479-1670
ematsuda@themall.net

Manual Merchant
2475 Loring St.
San Diego, CA 92109-2348
619-490-9076

Manuals Plus
P.O. Box 549
Tooele, UT 84074

I've bought manuals from several of these sources and have been satisfied
with the service..

Darrel, WD6BOR

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "John A. Evans - N3QOO" <jaevans@cos.cst.titan.com>
Subject: [20017] Re: Why No DXCC/QRP from ARRL
Message-ID: <199705211856.OAA227314@nss2.CC.Lehigh.EDU>

> In my opinion, the DXers think that they own this hobby and the ARRL
> pretty much thinks that too. We can't offend the DXers. Ooops, I mean
> we can't offend the QRO DXers.

Perhaps we cannot offend the vendors selling the big amps !!!!

"Remember - at the heart of every QRO rig, there is a QRP rig driving it !!!!"

I think I'll put that in my .sig block !!!

73/72 de n3qoo - john

John A. Evans | System Architect
Office: (719) 592-9667 | Compuware Corporation
Fax: (719) 592-9534 | 5575 Tech Center Drive, Ste 212
email: jaevans@codenet.net | Colorado Springs, CO 80919

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184
Personal Web Page: http://www.geocities.com/capecanaveral/9773/

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "Ed Hare, W1RFI" <ehare@arrl.org>
Subject: [20024] Re: Why No DXCC/QRP from ARRL
Message-ID: <5lvk3r$l7a@mgate.arrl.org>

Jim Dolson <dolsonj@ix.netcom.com> wrote:

>I think that it is obvious why the ARRL does not what to issue a sticker
>for QRP DXCC.

I think that a careful analysis of Arisotle's science shows that
speculation, however inspired it may be, is only rarely proven to be
correct. :-)

>In my opinion, the DXers think that they own this hobby and the ARRL
>pretty much thinks that too. We can't offend the DXers. Ooops, I mean
>we can't offend the QRO DXers.

As a fellow QRPer who happens to work at ARRL, let me offer a bit of
insight.

The reason ARRL does not offer a QRP endoresement to DXCC is that DXCC is
an award offered only for those facts that can be verified from the QSL
cards, by both the other operator and our DXCC staff. When an operator
issues a QSL card, he or she clearly knows what country they are in, what
band was in use and what mode was being employed. DXCC is based on these.
There is just no way the issuer of a QSL card could know what power level
the other operator was using.

DXCC is an award that is recognized as an important achievement by most
hams. This is due in no small part to the fact that it is not done on
the honor system, but it awarded only after a careful examination by
qualified card checkers and ARRL HQ staff.

IMHO, there would be no difference in the amount of personal satisfaction I would receive from an award that issued an endorsement based on what was claimed by me and the personal satisfaction I derived solely from knowing what I had done. I speak from personal experience -- the feeling I got when I received my WAS for 250 milliwatts was a bit of a letdown compared to what I felt when I completed the last QSO and knew I had met my goal. Now, I am working on 10 milliwatt WAS (30 so far, and I have been REAL inactive of late). I am not seeking QSL cards. When I am done, I am done; I will know what I did and it will be good enough for me.

Speaking again as a fellow QRPer, when I beat out a pileup with 250 milliwatts, I gloat along with the best of them. If I make a few QRO types feel a bit out of sorts, I don't think my boss will mind. :-)

72/73 from ARRL HQ,
Ed Hare, W1RFI (formerly KA1CV)
ARRL Lab

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "Carol N. Wright" <cnw@HiWAAY.net>
Subject: [20027] Re: Why No DXCC/QRP from ARRL
Message-ID: <Pine.OSF.3.94.970521152046.25593D-100000@fly.HiWAAY.net>

Hey Gang,
I was just letting you know that after two or three months of waiting I finally got a response back from Dave Sumner, K1ZZ, from the ARRL on the "No DXCC For QRP Deal". He basically said sorry for the late reply to my message that he'd been busy with the "Little Leo" deal. He basically said the same thing that we've heard all along, "But some may not be honest about theirselves and their setups running QRP levels". So, I was just going to let everyone know that I did get a response back from him. A little lengthly also. Best 72/73 DE Matt, AE4JM

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Michael <MichaelN@cycat.com>
Subject: [20028] Re: Why No DXCC/QRP from ARRL
Message-ID: <33835E3E.5712@cycat.com>

ehare@arrl.org wrote:

> The reason ARRL does not offer a QRP endoresement to DXCC is that DXCC is
> an award offered only for those facts that can be verified from the QSL
> cards, by both the other operator and our DXCC staff. When an operator
> issues a QSL card, he or she clearly knows what country they are in, what
> band was in use and what mode was being employed. DXCC is based on these.
> There is just no way the issuer of a QSL card could know what power level
> the other operator was using.

Does the ARRL contact the issuer of each and every card to verify that
he
did indead send it and that the information is correct?

QSL cards can be faked almost as easily as claimed operating power.

michael M6CHV

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: AE0Q V31RY <v31ry@ix.netcom.com>
Subject: [20029] Re: Why No DXCC/QRP from ARRL
Message-ID: <2.2.16.19970521205846.08eff758@popd.ix.netcom.com>

>
>Does the ARRL contact the issuer of each and every card to verify that
>he did indead send it and that the information is correct?
>
>QSL cards can be faked almost as easily as claimed operating power.
>
>michael M6CHV
>

  As a matter of fact, they DO when the card appears to be from a VERY rare contact. The people at the ARRL "DXCC desk" check cards for a living, Michael, and they know dates and bands that rare countries have been active on.
  It's become common practice for foreign hams to return your QSL that you sent for along with 2 or 3 for other U.S. hams, expecting you to forward them for 'em; what's a few domestic First-Class stamps to an American, eh? As a bribe, I've gotten blank cards from a couple of DX hams along with mine and the ones they want me to forward. If a person filled the blank cards in for bands they needed that country on, you might get away with it, and maybe not.. The DXCC guys are pretty sharp, they might know that DX station never operated on the band you faked, or the date you faked.. I wouldn't try it..

73 -- Glenn

"Remember, any tool can be the right tool!"   Red Green

     AE0Q / V31RY   ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
  v31ry@ix.netcom.com   --SOWP 5558-M, QCWA LM, ARRL LM, NCVA--
http://www.qsl.net/ae0q

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "Rick Hadley" <r.hadley@www.mebbs.com>
Subject: [20032] Re: Why No DXCC/QRP from ARRL
Message-ID: <1.5.4.16.19970521154730.1c67c8e0@www.mebbs.com>

At 07:57 PM 5/21/97 GMT, Ed Hare wrote:

>IMHO, there would be no difference in the amount of personal satisfaction
>I would receive from an award that issued an endorsement based on what
>was claimed by me and the personal satisfaction I derived solely from
>knowing what I had done. -- the feeling I got when I received my WAS for
250 >milliwatts was a bit of a letdown compared to what I felt when I
completed the last >QSO and knew I had met my goal.

I've gotta agree with Ed. Years ago I worked 10-meter WAS in 48 hours
during the ARRL 10 Meter Contest (no amp either) just to see if I could do
it. I never bothered to try to get the cards, because the paper wouldn't
have brought me a bit more satisfaction than what I felt when I worked the
50th one.

Richard W. (Rick) Hadley
W0FG - Life Member ARRL
QRP-L #1019
r.hadley@www.mebbs.com
The Solutions Store, Ltd.

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: Ed Loranger <we6w@qsl.net>
Subject: [20033] Re: Why No DXCC/QRP from ARRL
Message-ID: <3383681D.BEC@qsl.net>

Now if the powers that be could only be as efficient
weeding out illegal transmissions and such! And Locating
the real offenders.

-Ed L.

AE0Q V31RY wrote:
--- Snip ---
> not.. The DXCC guys are pretty sharp, they might know that DX station never
> operated on the band you faked, or the date you faked.. I wouldn't try it..
>
> 73 -- Glenn
-snip---

--
72/73 de WE6W QRP .3W QSX 7040 KHz SK ee (First and Last callsign!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
mailto:we6w@qsl.net QRP-L member #1068.
http://www.qsl.net/we6w

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: James Parsons <k5rov@worldnet.att.net>
Subject: [20035] Re: Why No DXCC/QRP from ARRL
Message-ID: <33836C7C.DFF@worldnet.att.net>

Michael wrote:
>
> ehare@arrl.org wrote:
>
> > The reason ARRL does not offer a QRP endoresement to DXCC is that DXCC is
> > an award offered only for those facts that can be verified from the QSL
> > cards, by both the other operator and our DXCC staff. When an operator
> > issues a QSL card, he or she clearly knows what country they are in, what
> > band was in use and what mode was being employed. DXCC is based on these.
> > There is just no way the issuer of a QSL card could know what power level
> > the other operator was using.
>
> Does the ARRL contact the issuer of each and every card to verify that
> he
> did indead send it and that the information is correct?
>
> QSL cards can be faked almost as easily as claimed operating power.
>
> michael M6CHV

I am seeing a LOT of mail expressing disapproval of the ARRL's position.
But, we are telling each other what we already agree on. Wouldn't it be
better if each one of these messages was directed to the ARRL. It
couldn't hurt, and there is power in numbers.

73

Jim

--
James (Jim), Parsons, K5ROV USAF, Ret.
k5rov@worldnet.att.net
EX: W1RLA, K5FBB, K4FEO, SV0WN (CRETE), SV0WN (RHODES),
DL4NC, DL4JP, KA2FC (JAPAN), KA2JP (JAPAN).
JOHN 3:16

From owner-qrp-l@lehigh.edu Wed May 21 18:03:46 1997
From: "Ed Hare, W1RFI" <ehare@arrl.org>
Subject: [20025] Re: Why no QRP DXCC...
Message-ID: <5lvko5$l7a@mgate.arrl.org>

"Dave Maliniak" <dmaliniak@penton.com> wrote:

>You got it, John. Never forget that the ARRL is a big publishing house
>first and foremost.

Publishing is indeed important to the ARRL; we use QST as a
communications medium; we use the proceeds from the sale of our
publications to fund membership services.

To put in perspective, we have about 120 employees. Of those, about 20
are editors, typesetters or graphics people who are directly responsible
for our publications. Other staffers do document some of their work in
our publications, so others of us do pitch in from time to time.

>If you find yourself scratching your head over why the
>ARRL does or does not do X, Y or Z, think how their action
>or inaction may affect them in terms of advertising dollars.
>The answer will often make itself apparent when the question
>is viewed in that light.

>Yaecomwood buys many, many pages of advertising in QST. Hence,
>the ARRL suddenly advocates HF privileges for Techs.

These advertisers have been buying many pages of advertising in QST for
many years. For the vast majority of those years, ARRL did not
"suddenly" advocate HF priveleges for Techs. I cannot read the minds of
the ARRL Board, but I prefer to speculate that they are considering
license structure changes in response to what has pretty clearly become a
divisive issue in Amateur Radio.

One important point -- what is on the plate now is a strawman proposal, not a final decision by the ARRL Board. If you have views, please, please send them to your Division Directors!

--

72/73 from ARRL HQ,
Ed Hare, W1RFI (formerly KA1CV)
ARRL Laboratory Supervisor